



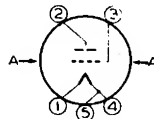
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DETECTOR, AMPLIFIER, OSCILLATOR ACORN TYPE

Filament	Coated	
Voltage	1.25	d-c volts
Current	0.05	amp.
Direct Interelectrode Capacitances: ^o		
Grid to Plate	1.2	$\mu\mu\text{f}$
Grid to Filament	0.3	$\mu\mu\text{f}$
Plate to Filament	0.7	$\mu\mu\text{f}$
Overall Length		$1-7/32" \pm 5/32"$
Overall Diameter		$1-3/32" \pm 1/16"$
Bulb }	See Outline in GENERAL SECTION	T-4 $\frac{1}{2}$
Base }		Small Radial 5-Pin
Pin 1-Filament		Pin 5-Filament -
Pin 2-Plate		AA'-Plane of
Pin 3-Grid		Electrodes
Pin 4-Filament -		
RCA Socket		Stock No. 9925
Mounting Position		Vertical $\diamond$

See Outline in
GENERAL SECTION



Short Part of Bulb: Bottom
BOTTOM VIEW (5BD)

Maximum Ratings Are Design-Center Values

AMPLIFIER

D-C Plate Voltage	135 max.	volts
<i>Characteristics— Class A₁ Amplifier:</i>		
D-C Plate Voltage	135	volts
D-C Grid Voltage*	-5	volts
Amplification Factor	13.5	
Plate Resistance	20800 approx.	ohms
Transconductance	650	μmhos
D-C Plate Current	2	ma.

^o with no external shield.

$\diamond$ Horizontal operation permitted if plane of electrodes is vertical (plate on edge).

* Under maximum rated conditions, the resistance in the grid circuit should not exceed 0.1 megohm with fixed bias, or 0.5 megohm with cathode bias.

R-F grounding by means of condensers placed close to the tube pins is required if the full capabilities of the 957 for ultra-high-frequency uses are to be obtained.

← Indicates a change.

JUNE 30, 1944

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

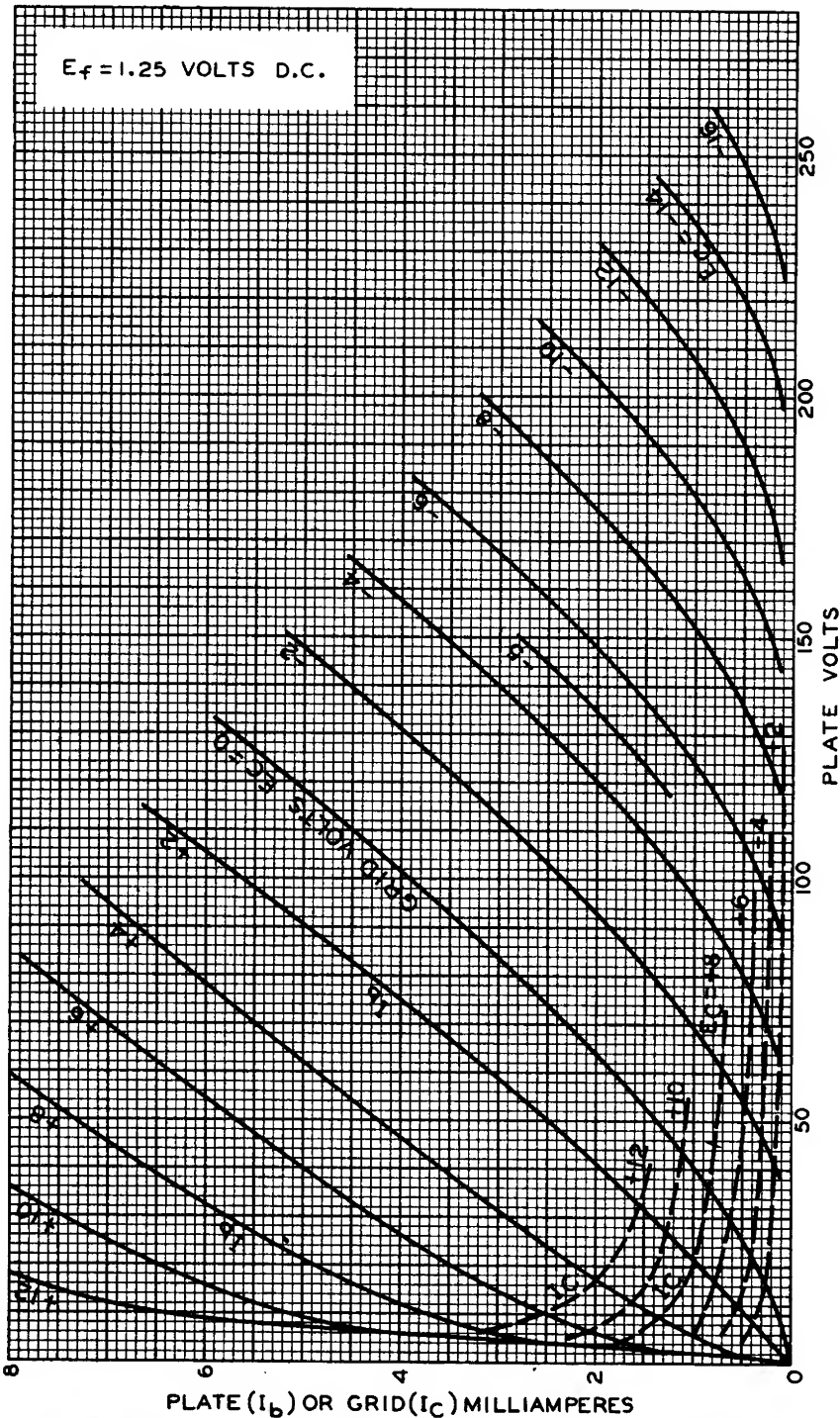
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AVERAGE PLATE CHARACTERISTICS



JUNE 15, 1944

RCA VICTOR DIVISION
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92CM-6336R1